

**Town of Moultonborough
DPW EQUIPMENT
4x4 Wheel Loader
Bid questions and addendums.**

Addendum #1- Changes to specifications are noted in **Red tracking changes.**

2.) Specifications & Certification

**4 x 4 WHEEL LOADER QUOTE
MINIMUM SPECIFICATIONS**

OPERATING WEIGHT:

The minimum operating weight of the unit included in these specifications shall be 29,500 pounds. Tires cannot be loaded to reach the minimum weight specification.

ENGINE:

Minimum of 148 Net SAE J1349 rated horsepower, Tier 4f, turbo charged, six cylinder diesel engine with 24-volt electric starter, cold weather starting aid, engine block heater.

COOLING SYSTEM:

Engine to be protected with extended life anti-freeze. Electric controlled hydraulically driven temperature sensing demand style fan. Aluminum engine radiator with 6 fins per inch.

TRANSMISSION:

Electronically controlled Minimum of 4 speeds forward, minimum of 3-speeds reverse transmission with an operator adjustable creeper speed (hydrostatic), overspeed protection and Auto Shift feature. Transmission would have a limited slip or locking traction capabilities. Hydrostatic transmissions may also be submitted.

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4 x 4 WHEEL LOADER QUOTE
MINIMUM SPECIFICATIONS-Cont.**

AXLES, DIFFERENTIAL AND BRAKES:

Conventional rear with locking front differential shall be heavy duty with inboard planetary final drives. Locking front axle must have the ability to be engaged on the fly. Service brakes shall be hydraulic multiple wet disc and shall have a secondary back-up system. Parking brake shall be manual or hydraulically operated disc. Rear axle oscillation to be a minimum of 20 Degrees

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4 x 4 WHEEL LOADER QUOTE
MINIMUM SPECIFICATIONS-Cont.

STEERING:

Steering shall be full hydraulic power, with a minimum of 40 degrees of articulation each direction.

ELECTRICAL:

24 volt electrical system. Alternator shall be a minimum of 115 amp. ~~Four (4)~~ Minimum of two (2) Batteries shall be a minimum of 1,000 CCA. Unit must have horn and back-up alarm. Unit must have internal 12 volt power points. All electrical wires shall be color coded and numbered. Electric fuel priming pump. Unit shall have a 24/12 Volt converter. Unit shall have a strobe on the rear of the cab with a switch located in the cab.

LIGHTS:

Unit shall have a minimum of 4 LED work lights, 2 LED road lights with signals, 2 rear LED stop/tail/directional lights.

TIRES:

Tires shall be 20.5 R25 L3 Traction Radials, on Multi Piece Wheels. Tires are not to be loaded.

CAB:

Deluxe sound suppressed cab, with dual doors (optional), HVAC, AM/FM/~~CD~~ Radio, (Bluetooth optional), Tilt and telescopic steering column, Air suspension 6-way adjustable seat, front/rear wipers/washers, interior rear view mirror, dual heated/electronically adjustable outside mirrors. Front and rear sun shade, sliding door windows; single loader lever with FNR, Hydraulic 3rd function control shall be located in the single joystick. Maximum sound level in the cab shall be 66 dB(A). Unit shall have power inverter with two 25 amp accessory circuits for installation of a two-way radio and emergency warning lights. Unit shall have a color rear view camera.

HYDRAULIC SYSTEM:

Load sensing three (3) valve hydraulic system, 50 gallons per minute minimum. Unit shall have Ride Control. Unit shall have a hydraulically operated quick coupler on the front of the machine. (Compatible with JRB attachments)

LOADER:

Unit shall have a minimum 3 cubic yard general purpose quick hitch bucket with a bolt on edge. Unit shall have in cab settable: return to dig, return to carry and dump height kick out features. Clearance at 45 degrees of 9.5'.

WARRANTY:

Unit shall have a 5 Year/2500 Hour Full Machine Warranty. Please provide an optional cost for an additional 2 years/1000 hours of Full Machine Coverage.

OTHER FEATURES:

Unit shall have front fenders and rear platforms.
Unit shall have heavy rear counterweight
Unit shall have articulation transport lock
Unit shall have crankcase bottom guard
Unit shall have oil-sampling valves
Unit shall have ground level grease points
Unit shall have a Loadrite model: L2180 weigh-scale system
Unit shall have a plow lift group, which will attach to the quick coupler and will attach to a standard plow- 11' "American" power angle highway plow.

A specification check off sheet is provided as exhibit A- See attached

***Important Note:** If you are submitting a bid that varies in any of the equipment or accessories asked for, you must submit an explanation of this. Explain which Item # you vary on and why.

*** Important Note:** If the specification sheet calls for you to fill in the particulars on any of the equipment so that we may compare manufacturers, you must do so.

TO BE SUBMITTED WITH QUOTE

**TOWN OF MOULTONBOROUGH, NEW HAMPSHIRE
4 x 4 WHEEL LOADER**

SPECIFICATION SHEET

Per Specifications dated 4/9/15

Item	Specification	Your Unit Bid
Engine Horse Power	148 SAE J1349 Net Min.	_____
	Tier 4f	YES_____NO_____
	Urea	YES_____NO_____
Cooling System	Hydraulic Demand Fan	YES_____NO_____
	Aluminum 6 fins/in Rad.	YES_____NO_____
	Electronically Controlled	YES_____NO_____
Transmission	4 speed F	_____
	____speed R	_____
	Creeper Gear	_____
	Operator Adjustable	_____
	Auto Shift Feature	YES_____NO_____
	Limited slip-torque converter	YES_____NO_____
	Hydrostatic Transmission	YES_____NO_____
Axles	Front Diff. Lock	YES_____NO_____
	On the Fly Engagement	YES_____NO_____
	Secondary Brakes	YES_____NO_____

Elec. System

115 Amp Alt	_____	Amp
Color Coded Wires	YES_____NO_____	
Wires Numbered	YES_____NO_____	
24/12 Volt Converter	YES_____NO_____	
Wired for Strobe w/Switch	YES_____NO_____	
Wired 2-25A Accessory	YES_____NO_____	
20.5R25 L3	YES_____NO_____	
Multi Piece Wheels	YES_____NO_____	
Deluxe HVAC	YES_____NO_____	
Air Susp. Seat	YES_____NO_____	
Sliding Door Windows	YES_____NO_____	
Single Loader Lever, FNR	YES_____NO_____	
66 dB(A) Sound Level	_____	
Color Rear View Camera	_____	

Tires

Cab

TO BE SUBMITTED WITH QUOTE

Hyd. System

Load Sensing	YES_____NO_____
Gallons per Minute	_____
Ride Control	YES_____NO_____

Bucket Capacity

Hydraulic Quick Coupler

3 rd Function (accessory spool)	YES_____NO_____
Loadrite L2180 Scale Syst.	YES_____NO_____
3.0 with Bolt on Edge	_____
JRC attachment Compatible	YES_____NO_____

Operating Weight

Plow Lift Harness

29,500 Pounds	_____
(Quick Coupler mount)	YES_____NO_____

NOTE: If you check No on any item you must attach an explanation, with the item number of what your variance is and what the advantage is.